

Abstract

Disclosed is a light guide panel using a laser stamper, and a method and a device for producing the same. The light guide panel using a laser stamper, which is used as a rear surface light source of a liquid crystal display, is characterized in that a substrate for the light guide panel, made of an acryl-based material allowing light to penetrate therethrough, is cut into a plurality of light guide panels, and an uneven pattern on a lateral surface of the light guide panel is formed by transcribing a reverse uneven pattern of the laser stamper onto the lateral surface of the light guide panel through a laser direct recording process. Furthermore, the device for producing the light guide panel, includes a laser stamper producing part to produce a laser stamper capable of conducting a laser direct recording process, and a light guide panel producing part to produce a substrate for the light guide panel and the light guide panel in commercial quantity using the laser stamper. In this regard, the laser stamper includes a metal stamper to prevent durability of an acryl-based substrate from being reduced when the acryl-based substrate is used in an injection molding process.